

Fig. 1

PRIOR ART	Buffer	Traceback	Decoded Seq. Memory	Forward Trace
Epoch I	Read D0* Write D1	BT D0*	Read DD-2 Write DD0*	FT D1
Epoch 2	Read D1* Write D2	BT D1*	Read DD-1 Write DD1*	FT D2
Epoch 3	Read D2* Write D3	BT D2*	Read DD0 Write DD2*	FT D3
Epoch 4	Read D3* Write D4	BT D3*	Read DD1 Write DD3*	FT D4
Epoch 5	Read D4* Write D5	BT D4*	Read DD2 Write DD4*	FT D5

Fig. 2

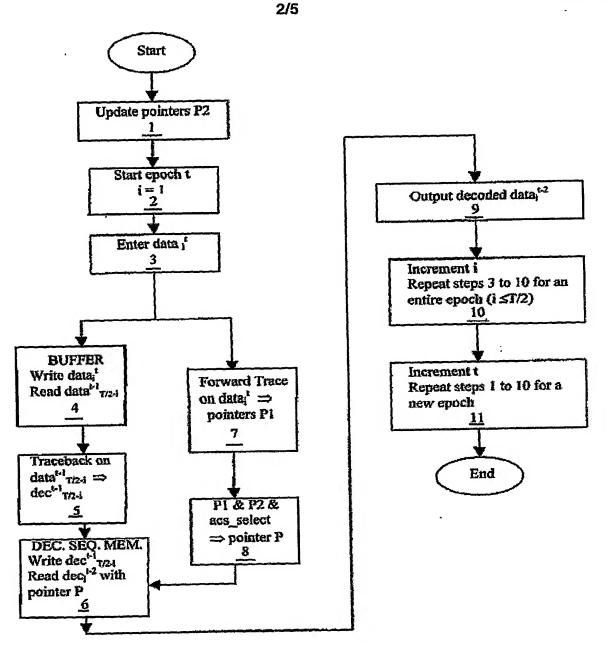


Fig. 3

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	Buffer	Traceback	Decoded Seq. Memory	Forward Trace		
Epoch 1	Read D0* Write D1	BT D0*	Read DD-1 Write DD0*	FT D1		
Epoch 2	Read D1* Write D2	BT D1*	Read DD0 Write DD1*	FT D2 18		
Epoch 3	Read D2* Write D3	BT D2*	Read DD1 Write DD2* 19	FT D3 22		
Epoch 4	Read D3* Write D4	BT D3*	Read DD2 Write DD3*	FT D4		
Epoch 5	Read D4* Write D5	BT D4*	Read DD3 Write DD4*	FT D5		
Di = data in epoch i BT = traceback FT = forward trace						
DDi = decoded data from epoch i * = reverse time order						

Fig. 4

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	Buffer	Traceback	Decoded Seq. Memory	Forward Trace				
Epoch 1	Read D0* Write D1	BT D0*	Read DD-q Write DD0*	FT D1				
Epoch 2	Read D1* Write D2	BT D1*	Read DD-q+1 Write DD1*	FT D2				
:								
Epoch q+l	Read Dq* Write Dq+1	BT Dq*	Read DD0 Write DDq*	FT Dq+1				
Epoch q+2	Read Dq+1* Write Dq+2	BT Dq+1*	Read DDI Write DDq+1*	FT Dq+2				
Di ≈ da	Di = data in epoch i BT = traceback FT = forward trace							
DDi = de	DDi = decoded data from epoch i *= reverse time order							

Fig. 5

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10/511655 5/5 Decoded Seq. Forward Traceback Buffer Trace Memory Read D0* Read DD-q+1 BT D0* FT D1 Write DD0* Write D1 Epoch 1 Read DD-q+2 Read D1* FT D2 BT D1* Write D2 Write DD1* Epoch 2 29 Read Dg-1* Read DD0 FT Dq Epoch q BT Dq-1* Write Dg Write DDq-1* 28 Read DD1 Read Dq* FT Dq+1 BT Dq* Epoch q+1 Write DDq* Write Dq+1 <u>30</u> FT = forward trace Di = data in epoch i BT = traceback * = reverse time order DDi = decoded data from epoch i

Fig. 6